

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	6813659
<b>Application Number:</b>	10043440
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	1336
<b>Title of Invention:</b>	METHOD AND SYSTEM FOR MODELING CELLULAR METABOLISM
<b>First Named Inventor/Applicant Name:</b>	Costas D. Maranas
<b>Customer Number:</b>	27407
<b>Filer:</b>	John Darrell Goodhue/Betty Haverkamp
<b>Filer Authorized By:</b>	John Darrell Goodhue
<b>Attorney Docket Number:</b>	P05468US1
<b>Receipt Date:</b>	14-JAN-2010
<b>Filing Date:</b>	10-JAN-2002
<b>Time Stamp:</b>	17:19:13
<b>Application Type:</b>	Utility under 35 USC 111(a)

### Payment information:

Submitted with Payment	no
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### File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	NPL Documents	Korotkova_Poly-beta-hydroxybutyrate_J-Bacteriol_2002.pdf	2251445 674c4c45969ca166f8c10609c384897b4c776f9d	no	8

### Warnings:

### Information:

2	NPL Documents	Krieger_MetaCyc_Nucl-Acids-Res_2004.pdf	1084897	no	5
			83e5c49f67e54083aa90e15752f931364912d432		
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Information:					
3	NPL Documents	Lutz_Creating_multiple-crossover_ProcNatlAcadSci2001.pdf	1850113	no	6
			696ac95437bfa8c41a54456c0f360cb0f67e0285		
Warnings:					
Information:					
4	NPL Documents	Majewski_Simple-constrained-optimization_Biotechnol-Bioeng_1990.pdf	514040	no	7
			6bcd54e18f8282177d03ee3ffaaf18f36ac5e16e		
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5	NPL Documents	McShan_PathMiner_Bioinformatics_2003.pdf	1785913	no	7
			cce1e4fa37ebb29cf48a84bcef3d5bb3acbd4a44		
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6	NPL Documents	Menendez_Presence_Acetyl_JBacteriol1999.pdf	2892562	no	11
			b1bf8cd753d75def50f3b9e59d93774d1fc66e6		
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7	NPL Documents	Methe_Genome-of-Geobacter_Science_2003.pdf	1674517	no	3
			3fcf18566c41d4b5f6ba957986e2fba511aaddfb		
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8	NPL Documents	Misawa_Production-beta-carotene_Appl-Environ-Microbiol_1991.pdf	858448	no	3
			72c30eb61f92de64cb8d3015333aff0cc4088604		
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9	NPL Documents	Moore_Predicting_crossover_ProcNatlAcadSci2001.pdf	2940576	no	6
			5c1eb9f43dec8ad4789f0f1bdefacca1958d84e8		
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10	NPL Documents	MooreAndMaranas_Modeling_DNA_JTheorBiol2000.pdf	3712548	no	21
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11	NPL Documents	Mushegian_A-minimal-gene-set_Proc-Natl-Acad-Sci_1996.pdf	2576878	no	6
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12	NPL Documents	Nakamura_Metabolic-engineering_CurrOpinBiotechnol_2003.pdf	1666231	no	6
			61913a85681a2a3113839d23eb5c31fc3cd10368		
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13	NPL Documents	OhAndLiao_Gene_Expression_BiotechProg2000.pdf	4632418	no	9
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14	NPL Documents	Overbeek_WIT_NucleicAcidsReviews_2000.pdf	646525	no	3
			fdb7eacb67025a6e1670a66b1cd8225195de7bb6		
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15	NPL Documents	Palsson_Challenges_NatBiotechnol2000.pdf	1014750	no	4
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16	NPL Documents	Papin-Metabolic-pathways-in-the-post-genome-era.pdf	3077466	no	9
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17	NPL Documents	PapoutsakisEquations-and-calculations-for-fermentations.pdf	3921079	no	14
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18	NPL Documents	Pennisi_Laboratory-Workhorse-Decoded_Science_1997.pdf	486567	no	3
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19	NPL Documents	Pharkya_Exploring_Overproduction_BiotechnolBioeng2003.pdf	3987127	no	13
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20	NPL Documents	Price_Genome-scale-Microbial_Trends-Biotechnol_2003.pdf	2450904	no	8
			f88999a241d8f3deb6b8002f9dfbeb19084829749		
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21	NPL Documents	Quackenbush_The_TIGR_Gene_NucleicAcidsRes2001.pdf	1336817	no	6
			f9c8bf577d3b0a5afe887beabf792893ea2b8b8		
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22	NPL Documents	Ramakrishna_Cybernetic-modeling-growth_Biotechnol-Bioeng_1996.pdf	2801952	no	11
			4406d0b270b49aef6ff7070b5134e5f73418ebde		
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23	NPL Documents	Ramakrishna_Flux-balance-analysis_Am-J-Physiol-Regul_2001.pdf	2395061	no	10
			82001d21cdf3c8472796fc52fc4ebec11645824e		
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24	NPL Documents	Reed_An-Expanded-Genome-scale_GenomeBiol2003.pdf	2490891	no	12
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25	NPL Documents	Richmond_Genome-wide-expression_Nucl-Acids-Res_1999.pdf	3495292	no	15
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26	NPL Documents	SantaLucia_Unified_View_ProcNatlAcadSci1998.pdf	1804826	no	6
			7346959df8c788a8120e7076c08d79b74522ea49		
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27	NPL Documents	Savageau_Biochemical_Systems_1969_.pdf	1785565	no	10
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28	NPL Documents	Schilling_Assessment_of-metabolic-cap_JTheorBiol_2000.pdf	2004510	no	35
			c25e37527bf3ee9879782c9ed66b37838d7a5e32		
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29	NPL Documents	Schilling_Combining-pathway-analysis_BiotechnolBioeng_2000-2001.pdf	1875192	no	21
			d7c60f6900e5286a59a0d98ff4edf6dea1e1e68d		
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30	NPL Documents	Schilling_GenomeScale_JBacteriol_2002.pdf	3102568	no	12
			32a3963120227a51f3146a8621d15922440dea30		
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31	NPL Documents	Schilling_Toward-metabolic-phenomics_BiotechnolProg_1999.pdf	805678	no	8
			79181fc54b2b3b50fb2aed5da9982ea970e95eca		
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32	NPL Documents	Segre_Analysis_Optimality_ProcNatlAcadSci2002.pdf	1766427	no	6
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33	NPL Documents	Segre_From-annotated-genomes_OMICS_2003.pdf	3578689	no	16
			68e3c984d74182556de32c8280e136f26f449573		
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34	NPL Documents	Selkov_MPW_NucleicAcidsRes_1998.pdf	744683	no	3
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35	NPL Documents	StolsAndDonnelly_Production_succinic_ApplEnvironMicrobiol_1997.pdf	1823696	no	7
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36	NPL Documents	SuppEPSearchRpt_EP03792962.pdf	897538	no	4
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38	NPL Documents	Tomita_E_CELL_Software_Bioinformatics1999.pdf	2633120 26de37770f8e19407be0770570f7106604e74f8e	no	13
<b>Warnings:</b>					
<b>Information:</b>					
<b>Total Files Size (in bytes):</b>			79626002		
<p><b>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</b></p> <p><b><u>New Applications Under 35 U.S.C. 111</u></b>  <b>If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</b></p> <p><b><u>National Stage of an International Application under 35 U.S.C. 371</u></b>  <b>If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</b></p> <p><b><u>New International Application Filed with the USPTO as a Receiving Office</u></b>  <b>If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</b></p>					